

The Anchorage Amateur Radio Club News Bulletin

June 1997

Editor - Harvey E. Rookus NL7DK

Vol 26 No 6

General Meeting

June 6, 1997

7 pm

John Lawson - NL7NC

"Packet

Internet

Access"

New AARC Website

<http://nl7nc.akconnect.com/aarc.htm>

What's Up?

General Meeting First Friday of Month - Carr-Gottstein Bldg APU Campus 7 pm
Second Bldg on the left. Room 102

Board Meeting - Second Wednesday 7 pm - Grant Hall APU Room 150

VEC Testing - 1st Wed 6:30 pm, Carr-Gottstein Bldg.; 2nd Saturday, 2 pm Hope
Cottage - 530 W. International Airport Rd. Enter Rear of Bldg.

3rd Wednesday, VFW Hall - Eagle River 7 pm

No appointment needed. Bring copies of previous testing. Bring Photo ID.

Second Friday SCRC general meeting 7 PM Room 220 Bus Ed Bldg UAA

Hams thwart suicide

Gregg Puckett, KD6KTH

At 2:30 in the afternoon on a Saturday this last February, Dale Kobetich, KE6ZGR was working at his home in Laguna Canyon. Deciding to take a break, he went for a short hike into the hills above his house. As Dale hiked along the remote road leading to a water reservoir, he came upon a car parked near a water tank. A young woman was sitting in the car; the windows were closed and she had rigged a hose from the tail pipe into the passenger compartment, taping the contraption to make certain it was secure. The engine was running.

Dale tried to get the woman's attention by tapping on the window and talking to her, but she refused to acknowledge him and seemed very irrational. Fearing he might cause her to do something even more drastic, Dale backed off to a vantage point several yards away and put his Amateur Radio experience to use. Fortunately, on this particular day, Dale had chosen to bring his handy-talkie along. "I'm not sure what made me take it along that day, because I often don't," Dale said, "But I'm sure glad I did."

Dale put out a call for help over the SOARA (South Orange Amateur Radio Association, Orange County California) 2-meter repeater; SOARA member Steve Kuver, KD6MHL, responded. Steve placed a 911 call to the Laguna Beach Police Department, and relayed the description of the situation, the woman, her vehicle and its license plate number to the police dispatcher.

The Laguna Beach Police responded immediately, but knowing

she had been discovered, the woman had already ripped the hose out of the window and driven away before the police arrived. Dale was able to observe and relay the woman's direction of travel north on Laguna Canyon road.

At this point, SOARA member Ray Hutchinson, KF6CNZ, and his wife, Debby, were mobile in Irvine, and had been monitoring the activity on the repeater. Realizing that they were near Laguna Canyon Road, and that the woman was traveling in their direction, Ray and Debby drove to the interchange of the I-405 freeway and Laguna Canyon Road, and pulled to the side of the road in a position where they could observe which way the woman would choose to go. They were able to observe the woman enter I-405 northbound. Ray relayed this information, and further that a Laguna Beach Police cruiser was approximately four cars behind the woman's vehicle! Because the woman entered the freeway, the California Highway Patrol became involved.

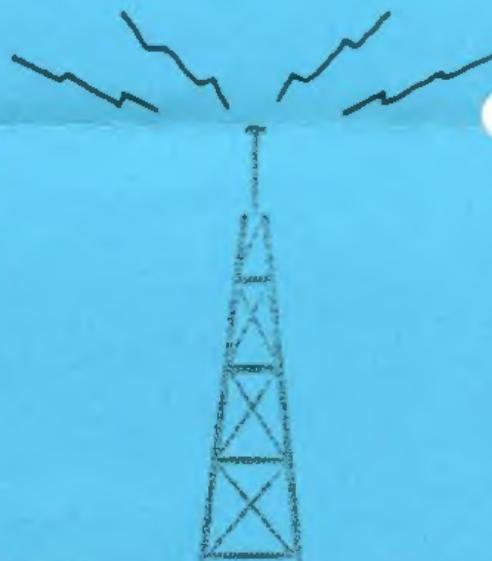
Approximately one week later, Steve received a conference call from the woman involved, relayed through the Laguna Beach Police Department. She was calling to express her thanks to all the people involved for their efforts in preventing her attempted suicide.

With quick thinking and a sense of service to the community, Dale, Steve and Ray chose to become involved, and they had the perfect tool in Amateur Radio. —via *Amateur Radio Newsline*

Taken from WORLD RADIO, June 1997

FIELD DAY

When is the last time that you operated a station on 'Field Day?' For many it has been quite awhile. Now is your chance to get with it again! The South Central Radio Club is ram-rodding the Field Day on June 28-29 at the Tudor Sled Dog Track (same as last year). It is always a fun event, especially when you are in the middle of the action. To volunteer to Operate-Log, help with Setup-Takedown, or many other items, such as Food, or Cleanup, Call Kyle-AL7J at 696-4501 and say you'll help! Make his Day!!



Silent Key

Stanton Wilson - KL7KU

AARC Life Member

became a Silent Key on April 8, 1997. Our thoughts and memories go out to his family and friends. He will be missed in the Club.

No Meeting

In July !!!!!

VEC REPORT

	CALL	FROM	TO
ANCHORAGE			
JAMES O. ANDARIESE (14 YRS)		NO LICENSE	TECHNICIAN
JUNE E. FOWLER		NO LICENSE	TECHNICIAN
MELVIN T. JENNINGS	WL7NE	TECHNICIAN	TECH PLUS
RICHARD R. KARR		NO LICENSE	TECHNICIAN
WILLIAM J. MARKLEY JR.	WL7AU	ADVANCED	AMATEUR EXTRA
ROBERT G. NORGARD II	WA8VQY	ADVANCED	AMATEUR EXTRA
KIM L. SANDERGARD	AL7PH	ADVANCED	AMATEUR EXTRA
JAMES B. STEWARD	WL7HZ	GENERAL	ADVANCED
DONALD G. WILCOX		NO LICENSE	TECHNICIAN
HOWARD W. WRITHT JR.		NO LICENSE	TECHNICIAN
BETHEL			
BIG LAKE			
BYERS LAKE			
DELTA JUNCTION			
EAGLE RIVER			
ELIZABETH H. BRODIO (15YRS) PALMER		NO LICENSE	TECHNICIAN
MICHELLE L. BRODIO (13 YRS) PALMER		NO LICENSE	TECHNICIAN
ANDREW J. BUNKER	WASILLA	NO LICENSE	TECHNICIAN
AARON H. HARROP	WASILLA	NO LICENSE	TECHNICIAN
PATRICK M. KAMMERMEYER	PALMER	NO LICENSE	TECHNICIAN
JIMMY C. MATTLOCK	WASILLA	NO LICENSE	TECHNICIAN
CHARLES E. SPENCER	WASILLA	NO LICENSE	TECHNICIAN
FAIRBANKS			
DOLORES J. BAKER		NO LICENSE	TECHNICIAN
PATRICIA C. COSTELLO		NO LICENSE	TECHNICIAN
AASE K. DANE	CANTWELL	NO LICENSE	TECHNICIAN
IVAN B. GALLAGHER		NO LICENSE	TECHNICIAN
CAROL J. HAMMOND		NO LICENSE	TECHNICIAN
ROBERT G. HOMOLESKI		NO LICENSE	TECHNICIAN
STEVEN C. LE CLERC		NO LICENSE	TECHNICIAN
STEVEN L. LE CLERC (19YRS)		NO LICENSE	TECHNICIAN
PAUL T. LORD (15 YRS)		NO LICENSE	TECHNICIAN
LLOYD K. LOVIN		NO LICENSE	TECHNICIAN
LOWELL MC GINNIS	TOK	NO LICENSE	TECHNICIAN
ROSEMARIE MAHER	NORTHWAY	NO LICENSE	TECHNICIAN
STEPHANIE L. MILLS		NO LICENSE	TECHNICIAN
BRIAN J. O'HALLORAN		NO LICENSE	TECHNICIAN
PATRICIA G. O'HALLORAN		NO LICENSE	TECHNICIAN
WILLIAM C. O'HALLORAN		NO LICENSE	TECHNICIAN
SHANNA K. PATTERSON (15 YRS)		NO LICENSE	TECHNICIAN
SHAUN M. PATTERSON		NO LICENSE	TECHNICIAN
SUZANNA ROTHENHOFFER		NO LICENSE	TECHNICIAN
TERRY A. RUSH		NO LICENSE	TECHNICIAN
RANDOLPH C. SETTJE		NO LICENSE	TECHNICIAN
JOHN R. STOWMAN		NO LICENSE	TECHNICIAN
MIRANDA L. SUTTLES (12 YRS)		NO LICENSE	TECHNICIAN
LARRY R. SWEET		NO LICENSE	TECHNICIAN
BARBARA H. SWEET		NO LICENSE	TECHNICIAN
TAISTO T. TAMMINEN	WL7AFD	GENERAL	ADVANCED
MICHAEL A. WATKINS		NO LICENSE	TECHNICIAN
DOROTHY M. WILDE		NO LICENSE	TECHNICIAN
CYNTHIA E. WILDE-SULLIVAN		NO LICENSE	TECHNICIAN

GUSTAVUS			
HAINES			
JUNEAU			
WESLEY R. BROOKS (14 YRS)		NO LICENSE	TECHNICIAN
GEORGE F. JESSUP	KA7TPO	TECH PLUS	GENERAL
WILLIAM C. LEIGHTY		NO LICENSE	TECHNICIAN
CHARLES L. SCHROTH (GUSTAVUS) WL7CSJ		TECH PLUS	GENERAL
ERIC TWELKER		NO LICENSE	TECHNICIAN
EVAN TWELKER (13YRS)		NO LICENSE	TECHNICIAN
KENAI			
KAREN M. LAWRENCE	WL7UR	TECHNICIAN	GENERAL
NOME			
NATHAN T. BARRON		NO LICENSE	TECHNICIAN
MARY A. CARTER		NO LICENSE	TECHNICIAN
MYRON E. CHAPMAN	KF6DJZ	TECHNICIAN	TECH PLUS
NITA V. CHAPMAN	KLODK	TECHNICIAN	TECH PLUS
CLAUDIA S. DOYLE		NO LICENSE	TECHNICIAN
DOUGLAS A. DOYLE		NO LICENSE	TECHNICIAN
CARL E. EMMONS		NO LICENSE	TECHNICIAN
PATRICK L. HAHN		NO LICENSE	TECHNICIAN
DOUGLAS H. JOHNSON		NO LICENSE	TECHNICIAN
MATTHEW B. JOHNSON		NO LICENSE	TECHNICIAN
MARK W. KELSO		NO LICENSE	TECHNICIAN
MIKEL R. Mc CREARY	KLOEG	TECHNICIAN	TECH PLUS
ROSALIE M McCREARY		NO LICENSE	TECHNICIAN
ERIC E. MORRIS (WHITE MTN)		NO LICENSE	TECHNICIAN
JEANETTE A. MORTON		NO LICENSE	TECHNICIAN
MICHAEL G. MURPHY		NO LICENSE	TECHNICIAN
TERRIE A.F. PERKINS		NO LICENSE	TECHNICIAN
WESLEY S. PERKINS		NO LICENSE	TECHNICIAN
DANIEL J. STANG		NO LICENSE	TECHNICIAN
PAUL A. JOHNSON			
PALMER			
GUY P. HUNT	(ANCHORAGE)	NO LICENSE	TECHNICIAN
JOSEPH J. LYNN (17 YRS)	(ANCHORAGE)	NO LICENSE	TECHNICIAN
RODNEY L. REESE	(WASILLA)	NO LICENSE	TECHNICIAN
PETERSBURG			
SOLDOTNA			
TRAPPER CREEK			
VALDEZ			
WASILLA			
WILLOW			

NOTE (TECHNICIAN = NO CODE TECHNICIAN)

(TECHNICIAN PLUS = TECHNICIAN WITH H.F. PRIVILEGES)

submitted by Roger Hansen, KL7HFQ, VEC Director)

HAM RADIO GEAR

DESCRIPTION	ASKING
• KENWOOD SCANNER (R2000)	425
• ICOM HF (IC-735)	750
• ICOM MIKE (IC-SM6)	60
• DIF T-TUNER (MFJ-986)	170
• KENWOOD PWR SUPPLY (PS-430)	160
• DRY DUMMY LOAD (MFJ-264)	40
• RF WATTMETER, COAXIAL DYNAMICS (81000-A)	230
• ELECTRONIC KEYS (MFJ-422B)	80
• LCD CLOCK, 12/24 (MFJ)	15
• KENWOOD 2M TX (751A)/MOBILE MOUNT	420
• ICOM DESK SPKR (SP-7)	45
• PALOMAR NOISE BRIDGE (RX-100)	55
• ISOBAR (IB-6)	60
• ICOM 2M (IC-W2A)	325
• IC-W2A CHARGER (BC-80)	85
• IC-W2A CIG CABLE CHARGER (CP-13)	20
• IC-W2A SPKR MIKE (HM-65)	35
• IC-W2A VOX HEADSET (HS-60)	60
• ICOM 2M (IC-32AT)	350
• IC-32AT CHARGER (BC-35)	80
• IC-32AT CIG CABLE CHARGER (CP-11)	20
• IC-W2A SPKR MIKE (HM-9)	35
• DIAMOND 2M ANTENNA (RH-77)	20
• CUSHCRAFT VERT ANTENNA (R-7)	245
• ROHN(25) TOWER 40' W/TOP	260
• HAM-IV ROTATOR	225

.....OR, EVERYTHING FOR \$3500.....

Robert Flint KL7JH@
2902 Aspen Drive
Anchorage, AK 99517
(907) 243-6706

A RADIO AND TELEVISION ENGINEER REMEMBERS

by Harry Mills, K4HU

VERY EARLY DAYS OF TELEVISION

The year was 1926. The location was Beaver, Pennsylvania on the Ohio River west of Pittsburgh.

I was recently out of high school and working in a local radio sales/service store. Our finest product was the Radiola 28, a battery operated superhetrodyne receiver, incidentally a second harmonic instrument (more on that principle another time). The IF frequency was in the area of 75 Kc—the transformers were iron cored so no tuning was required! We were only 30 miles from KDKA, the first really big broadcast station.

Word got out that WGY (Schenectady, New York) was experimenting with television transmission. [Remember this is 1926!]

C. Francis Jenkins, in New Jersey, was also generating programs but his transmitter was of low power and had limited range. Since we could receive a fair audio signal in western Pennsylvania from WGY, we decided to try seeing their TV programs.

We learned that the requirement to decode the signal — a Nipkow disc, invented some years before in Russia, if I recall correctly. This disc, about the size of a 12" phonograph record, had a series of holes laid out in a spiral, circumferential configuration. We obtained a disc—I don't recall from where—and attached it to a 1/4 horsepower motor. Behind the disc we placed what was called a Crater Tube. It was some sort of gaseous tube about 2" in diameter. When the room was dark, one could see a dim square of light through the holes in the disc as the disc was rotated.

WGY concluded their nightly audio programming at midnight and on certain evenings they modulated the transmitter with video signals. These were developed by a camera tube being exposed to a picture, brightly illuminated and facing a disc, similar to the one we had, between the picture and the camera. The result was a picture being transmitted in bits whose size and position were determined by the rotation of the disc.

Several problems arose. The signal had to be of sufficient strength to illuminate the Crater Tube only on peaks of signal. With QSB and QRN, this required continual riding of the receiver gain. Still more of a problem—and one we never really solved—was adjusting the speed and position of the holes on the disc to match the speed and position of the disc at the transmitter. The only method we ever had to adjust this was by pressure on the rim of the disc using a felt pad brake. It required all of the efforts of two people to keep all of the variables in sync!

After many nights of experimenting, we occasionally had—for a few seconds—a recognizable figure on the crude affair. The best result we ever obtained was a picture—a still image—which reminded me of the man on the cover of a box of Sampler chocolates and he was soon lost in the sync variations.

Twenty five years were to pass before I at last saw a picture on a kinescope which offered true entertainment quality.

Harry, K4HU

73,

HIGH FREQUENCY CHART, for ALASKA

	NOVICE	TECH.	TECH.	GENERAL	GENERAL	ADVANCE	ADVANCE	EXTRA	EXTRA
BAND	CW	CW	PHONE	CW	PHONE	CW	PHONE	CW	PHONE
160 M bot. freq	-	-	-	1.800	1.800	1.800	1.800	1.800	1.800
160 M top freq	-	-	-	2.000	2.000	2.000	2.000	2.000	2.000
80 M	3.675	3.675	-	3.525	3.850	3.525	3.775	3.500	3.750
80 M	3.725	3.725	-	3.750	4.000	3.750	4.000	3.750	4.000
40 M	7.100	7.100	-	7.025	7.225*	7.025	7.150*	7.000	7.150*
40 M	7.150	7.150	-	7.150	7.300*	7.150	7.300*	7.150	7.300*
30 M	-	-	-	10.100	-	10.100	-	10.100	-
30 M	-	-	-	10.150	-	10.150	-	10.150	-
20 M	-	-	-	14.025	14.225	14.025	14.175	14.000	14.150
20 M	-	-	-	14.150	14.350	14.150	14.350	14.150	14.350
17 M	-	-	-	18.068	18.110	18.068	18.110	18.068	18.110
17 M	-	-	-	18.110	18.168	18.110	18.168	18.110	18.168
15 M	21.100	21.100	-	21.025	21.300	21.025	21.225	21.000	21.200
15 M	21.200	21.200	-	21.200	21.450	21.200	21.450	21.200	21.450
12 M	-	-	-	24.890	24.930	24.890	24.930	24.890	24.930
12 M	-	-	-	24.930	24.990	24.930	24.990	24.930	24.990
10 M	28.100	28.300	28.300	28.000	28.300	28.000	28.300	28.000	28.300
10 M	28.300	28.500	28.500	28.300	29.700	28.300	29.700	28.300	29.700

* A special, Alaska only, frequency exists from 7.075 to 7.100 KHz.

ANCHORAGE AMATEUR RADIO CLUB, INC. - P.O. BOX 10-1987 - ANCHORAGE, AK 99510-1987

NAME _____ CALL SIGN _____
 ADDRESS _____ LICENSE CLASS _____
 CITY _____ STATE _____ ZIP CODE _____ LICENSE EXPIRATION _____
 PHONES: HOME _____ BUSINESS _____ *ARRL MEMBER? YES _____ NO _____ LIFE _____
 YOUR STATION CAPABILITIES: HF _____ VHF _____ UHF _____ MOBILE HF _____ MOBILE VHF _____
 AMSAT/OSCAR _____ RTTY _____ OTHER _____
 Do you have other special interests in Amateur Radio? MICROPROCESSOR/DIGITAL _____
 TRANSMITTER HUNTS _____ FIELD DAY _____ FLEA MARKET _____ OTHER _____

NOTE: Membership period is one year from date you pay. Grace period is thirty days after your due date.

DUES \$ 20.00 Regular member

\$ 25.00 Family

\$ 10.00 Student

\$250.00 Life member (may be paid in installments)



MEMBERSHIP APPLICATION

Anchorage Amateur Radio Club, Inc.

Post Office Box 101987

Anchorage, AK 99510-1987

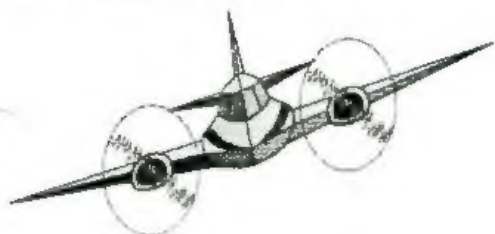
Bulk Rate
U.S. Postage
PAID
Anchorage, AK
Permit No. 227

For Sale

"Packet Station" (Packratt)
AEA 232 MBX TNC, Tandy
1000, Color Monitor, Tandy
Printer, Misc. Programs, TEC.
\$190.00 OBO. Also YAESU
Comm. Receiver FRG-7 Exc.
condition. \$175.00; Astatic D-
104 Base Mic \$50.00

Larry Volz WL7BSJ 333-7071

NOTE: The propellers on an
Airplane are to keep the Pilot
"cool", If you don't think so,
JUST turn them Off!



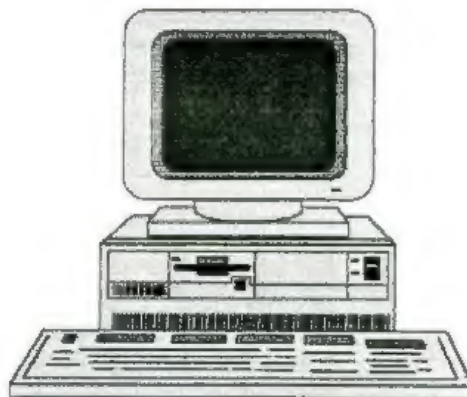
**One DoorPrize (Of many)
contains all of the following items:**

286 PC Computer

Monochrome Monitor

TNC Terminal Node Controller

Complete Packet Station except for Radio



New AARC Website

<http://nl7nc.akconnect.com/aarc.htm>